

AN: PAT 1998-169743
TI: Directionally sensitive hearing aid incorporating two microphones enables direction of source of sound to be recognised from difference in arrival times at opposite ends of acoustic channel
PN: DE19635229-A1
PD: 12.03.1998
AB: The aid encloses a slightly curved acoustic channel (3) with an opening (4,5) at each end closed by a cover (9,10). The internal wall is coated e.g. with metallisation (20) for radiation screening. Two microphones (1,2) spaced apart along the channel detect the propagated sound. Parameters such as gain or sensitivity are adjustable by knobs (6,7) on the outer face of the channel. If so-called Si microphones are used the amplifying and filtering circuits may be integrated on the same chips.; Good directional effect is achieved with better protection against contamination of sound inlets and good electromagnetic screening.
PA: (SIEI) SIEMENS AUDIOLOGISCHE TECH GMBH;
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